

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): Device for curing a coating of an object, ~~in particular a vehicle body (12),~~ the coating consisting of a material that cures under electromagnetic radiation, the device including in particular of a UV lacquer or a thermally curable lacquer, comprising

- a) at least one emitter [(48; 48')] generating electromagnetic radiation; and,
- b) a conveying system [(14, 16)] which conveys the object [(12)] into the vicinity of the emitter [(48; 48')] and away from it again;

wherein characterised in that

the conveying system ~~comprising~~ comprises a suspended carriage [(16)] which can be moved in a translatable manner along at least one travel way [(14)] and is suspended over the at least one emitter [(48; 48')], and in that at least two downwardly extending suspension supports [(66)] for suspension of the object [(12)] are arranged one behind the other in the longitudinal direction [(85)] on a bogie truck [(50)] of the suspended carriage [(16)], the length of which supports can be changed independently of each other with the aid of a motor.

2. (currently amended): Device according to claim 1, ~~wherein characterised in that~~ at least one of the suspension supports [(66)] comprises two belts [(70)] or chains which can be individually wound with the aid of a motor and which act on either side of the object [(12)] at a supporting structure [(74)] receiving the object [(12)].

3. (currently amended): Device according to ~~either claim 1, wherein or 2, characterised in that~~ the conveying system comprises a plurality of suspended carriages [(16)] which each comprise a separate driving unit [(58)] for a translatable movement along the travel way [(14)].

4. (currently amended): Device according to claim 1, further comprising ~~any one of the preceding claims, characterised in that it comprises~~ a container [(38)] that is open at the top and arranged below the travel way [(14)], and into the interior of which the object [(12)] can be

introduced by an extension of the length of the suspension support ~~[(66)]~~ and of which the interior can be subjected to electromagnetic radiation from the at least one emitter ~~[(48; 48')]~~.

5. (currently amended): Device according to claim 4, ~~wherein~~~~characterised in that~~ at least one emitter ~~[(48)]~~ is fitted in a wall or the base ~~[(44)]~~ of the container ~~[(38)]~~.

6. (currently amended): Device according to claim 5, ~~wherein~~~~characterised in that~~ at least one emitter ~~[(48)]~~ is fitted in the opposing side walls ~~[(39)]~~ extending parallel to the translational movement of the objects ~~[(12)]~~ and in at least one of the two end walls ~~[(41)]~~ extending perpendicular to the translational movement of the objects or in the base ~~[(44)]~~ of the container ~~[(38)]~~.

7. (currently amended): Device according to claim 5, ~~wherein~~~~characterised in that~~ a large number of emitters ~~[(48)]~~ is arranged on all walls ~~[(39, 41)]~~ and in the base ~~[(44)]~~ of the container ~~[(38)]~~.

8. (currently amended): Device according to claim 1, ~~wherein~~~~any one of the preceding claims,~~~~characterised in that~~ a plurality of emitters ~~[(48')]~~ are provided in a U-shaped arrangement with two substantially vertical legs and a substantially horizontal base.

9. (currently amended): Device according to claim 8, ~~wherein~~~~characterised in that~~ the arrangement of the emitters ~~[(48')]~~ at the substantially vertical legs is adapted to the course of the lateral surfaces of the object ~~[(12)]~~.

10. (currently amended): Device according to claim 8, ~~wherein~~~~or 9,~~~~characterised in that~~ the arrangement of emitters ~~[(48')]~~ at the substantially horizontal base is adapted to the course of the downwardly oriented surface of the object ~~[(12)]~~.

11. (currently amended): Device according to ~~any one of claim~~~~[(s)]~~ 4, ~~wherein~~~~to 10,~~~~characterised in that~~ a protective gas can be supplied to the interior of the container ~~[(38)]~~.

12. (currently amended): Device according to claim 11, ~~wherein~~~~characterised in that~~ the protective gas is heavier than air, ~~in particular is carbon dioxide~~.

13. (currently amended): Device according to ~~either~~ claim 11, further comprising or 12,
~~characterised in that there is~~ an inlet for the protective gas in the immediate vicinity of the at
least one emitter ~~[(48; 48')]~~.

14. (currently amended): Device according to claim 1, wherein~~any one of the preceding claims,~~
~~characterised in that~~ at least one emitter ~~[(48; 48')]~~ on the side remote from the object ~~[(12)]~~
is associated with a moving reflector.

15. (currently amended): Device according to ~~any one of~~ claim~~[[s]]~~ 4, whereinto ~~14,~~
~~characterised in that~~ the container ~~[(38)]~~ is provided on at least one inner surface with a
reflective layer ~~[(78)]~~.

16. (currently amended): Device according to claim 15, wherein~~characterised in that~~ the layer
~~[(78)]~~ is uneven.

17. (currently amended): Device according to ~~any either of~~ claim~~[[s]]~~ 14, wherein or 15,
~~characterised in that~~ the layer consists of aluminium foil ~~[(78)]~~.

18. (currently amended): Device according to claim 1, further comprising~~any one of the~~
~~preceding claims, characterised in that it comprises~~ a cabin housing ~~[(28)]~~ which prevents the
uncontrolled escape of gases and electromagnetic radiation.

19. (currently amended): Device according to claim 18, wherein~~characterised in that~~ a respective
sluice ~~[(34, 36)]~~ is provided for the suspended carriage ~~[(16)]~~ at the inlet and outlet of the
cabin housing ~~[(28)]~~.

20. (currently amended): Device according to ~~either~~ claim 18, wherein or 19, ~~characterised in~~
~~that~~ an apparatus ~~[(42)]~~ is provided for removing oxygen from the atmosphere within the cabin
housing ~~[(28)]~~.

21. (currently amended): Device according to claim 20, wherein~~characterised in that~~ the
apparatus ~~[(42)]~~ for removing oxygen comprises a catalyst for catalytically binding the oxygen.

22. (currently amended): Device according to ~~either~~ claim 20, wherein or 21, ~~characterised in~~
~~that,~~ for removing oxygen, the apparatus ~~[(42)]~~ comprises a filter for absorbing oxygen.

23. (currently amended): Device according to ~~any one of claim~~[[s]] 20, wherein ~~to 22,~~
~~characterised in that,~~ for removing oxygen, the apparatus [[(42)]] comprises a filter for adsorbing oxygen.

24. (currently amended): Device according to claim 1, ~~further comprising any one of the~~
~~preceding claims, characterised in that it comprises a~~ pre-heating zone [[(18)]] for removing the solvent from the material of the coating.

25. (currently amended): Device according to claim 1, ~~further comprising any one of the~~
~~preceding claims, characterised in that it comprises a~~ pre-heating zone [[(18)]] for initial gelling of powdery material.

26. (currently amended): Device according to claim 1, ~~wherein any one of the preceding claims,~~
~~characterised in that~~ the device comprises a controller [[(90)]] via which the length of the suspension supports [[(66)]] can be automatically adapted to the vertical dimensions of the object [[(12)]].

27. (currently amended): Device according to claim 26, wherein~~characterised in that~~ the length of the suspension supports [[(66)]] can be changed by the controller [[(90)]] in such a way that, during a conveying movement of the object [[(12)]] past the at least one emitter [[(48; 48')]], the quantity of electromagnetic radiation striking the material per unit of area and the intensity thereof do not fall below respectively predeterminable thresholds required for curing.

28. (currently amended): Device according to claim 27, wherein~~characterised in that~~ the length of the suspension supports [[(66)]] can be changed by the controller [[(90)]] in such a way that, during a conveying movement of the object [[(12)]] past the at least one emitter [[(48; 48')]], the spacing in the vertical direction between the object [[(12)]] and the at least one emitter [[(48; 48')]] is at least approximately constant.

29. (currently amended): Device according to ~~either~~ claim 27, wherein ~~or 28, characterised in~~
~~that~~ the controller [[(90)]] comprises a memory [[(92)]] for storing three-dimensional shape data of the object [[(12)]].

30. (currently amended): Device according to claim 1, wherein~~any one of the preceding claims, characterised in that~~ the device comprises a measuring station [(94)] upstream of the at least one emitter [(48; 48')] in the conveying direction, by means of which station the three-dimensional shape data of the object [(12)] can be detected.

31. (currently amended): Device according to claim 30, wherein~~characterised in that~~ the measuring station [(94)] comprises at least one light barrier.

32. (currently amended): Device according to claim 31, wherein~~characterised in that~~ the measuring station comprises at least one optical sampler [(96)] by which the object [(12)] can be sampled in a scanner-like manner in at least one direction.

33. (currently amended): Device according to claim 32, wherein~~characterised in that~~ the optical sampler [(96)] comprises an infrared light source.

34. (currently amended): Device according to ~~any one of claim~~[(s)] 30, wherein to 33,~~characterised in that~~ the measuring station comprises a video camera and an apparatus for digital image recognition.

35. (currently amended): Device according to claim 1, further comprising~~any one of the preceding claims, characterised in that it comprises~~ a post-heating zone [(22)] to complete curing.

36. (currently amended): Device according to claim[(s)] 11, wherein and 19,~~characterised in that,~~ within the inlet-side sluice [(34)], an inlet for protective gas is arranged in such a way that a cavity in the object [(12)] is flushed with a protective gas.

37. (currently amended): Device according to claim 1, wherein~~any one of the preceding claims, characterised in that~~ the electromagnetic radiation is UV light.

38. (currently amended): Device according to claim 1, wherein~~any one of the preceding claims, characterised in that~~ the electromagnetic radiation is IR radiation.